

PVC C-track cable

LÜTZE-SUPERFLEX[®] TRONIC



Application

- Energy carrying systems as well as anywhere where signals are transmitted to continuously moving system or machine parts
- As control, measurement and regulation cable medium operating conditions without tensile loading

Properties

- Minimal cable diameter through thin-walled PVC semi-rigid conductor insulation according to UL
- Especially suitable for cost-efficient IDC-connection (Insulation Displacement Connection)
- Outer jacket special-PVC Class 43 according to UL
- Very good oil resistance
- Widely resistant to acid and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

UL approval	300 V 80 °C
Nominal voltage	300 V
Isolation resistance	min. 20 MΩ × km
Temperature range according to UL	
continuously moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Cold flexibility	according to UL up to -25 °C
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to UL VW-1; VDE 0482 T265;
Oil resistant	according to UL 4d100C and DIN EN 60811-2-1

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special PVC semi-rigid conductor insulation according to UL, temperature-resistant according to VDE 0207 up to 105 °C
- Conductors colour-coded according to DIN 47100
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Jacket special PVC according to UL class 43 and VDE 0207 TM5, Temperature-resistant according to VDE 0207 up to 90 °C
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
117000	2×0,14	3.7	2.1	0.3
117001	3×0,14	3.9	2.4	0.5
117003	5×0,14	4.5	3.3	0.7
117004	7×0,14	4.8	4.8	1.0
117005	10×0,14	6.0	6.1	1.5
117006	12×0,14	6.2	7.2	1.8
117007	18×0,14	7.2	8.6	2.6
117008	25×0,14	8.7	11.8	3.6
0.25 mm²				
117009	2×0,25	3.8	2.8	0.5
117010	3×0,25	4.0	3.1	0.7
117012	5×0,25	4.7	4.9	1.2
117013	7×0,25	5.0	5.9	1.7
117014	10×0,25	6.0	8.1	2.4
117015	12×0,25	6.8	9.1	2.9
117016	18×0,25	7.3	12.5	4.4
117017	25×0,25	8.6	17.3	6.1
0.34 mm²				
117018	2×0,34	4.1	3.7	0.6
117019	3×0,34	4.3	4.1	1.0
117021	5×0,34	5.0	6.3	1.6
117022	7×0,34	5.4	8.1	2.2
117023	10×0,34	6.8	11.4	3.2
117024	12×0,34	7.0	14.5	3.9
117025	18×0,34	8.1	17.9	5.8
117026	25×0,34	9.6	24.6	8.0

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively